

The Daily Astorian.

Vol. XVII.

Astoria, Oregon, Friday Morning, September 8, 1882

No. 137.

A REMARKABLE DISCOVERY.

Effects Produced by the Arrangement of Forty Mirrors.

The patent office has just extended its wing over one of the most remarkable discoveries of the present century, and one, it is safe to say, which will not only effect a revolution in the present methods of producing and applying heat, but seriously undermine the very structure upon which the at present generally received scientific notion of heat rests. The model apparatus, patented by Mr. Calver, the inventor, consists of a number of small looking-glasses, arranged in rows upon a frame so fixed that they can be converged upon any point.

A working model, of which he has a number, was yesterday exhibited to a Post reporter in the yard in the rear of his residence. Fourteen innocent, guileless looking fifteen-cent gilt-framed mirrors, each three and three-fourths by four and three-fourths inches, were arranged upon a frame propped up like an artist's easel and bearing a striking resemblance thereto.

Facing the easel was the fragment of what was once a barn door, also propped up and partly covered with a worn and faded sheet of zinc that bore the unmistakable evidence of having been burned through in several places. It was but the work of a minute to converge the forty mirrors upon a space three and three-fourths inches by five and three-fourths inches upon the barn door, and the revelations began. As each mirror cast its quota of sunlight upon the common store, the parallelogram of light grew whiter and more dazzling, until at last it looked like a patch of electric light. But little patience was required to await results. In less than thirty seconds a thin, curling puff of smoke gave evidence of the progress of the experiment. In a moment the board was bursting out in flames. The focus was then shifted upon the zinc. In a few minutes it began to turn color; then shrink as if anxious to get away where it was cooler, and then in less than three minutes the entire surface covered by the focus was literally melting, drop by drop. To melt zinc requires a temperature of over 700 degrees Fahrenheit.

The most wonderful feature about the whole thing is the brilliancy of the light. Each mirror adds not only heat but light. The forty mirrors produce a light more brilliant than an ordinary electric light. A hand held so as to intercept the focus becomes as white as driven snow. A white handkerchief defies ordinary sight and conveys an impression of beautiful, impossible whiteness. It is as hard to look at as the sun itself.

The possibilities of Mr. Calver's invention are boundless. With a combined square surface of twenty feet of mirrors, lead melts quicker than thought, wood bursts into flame and is gone into ashes, and iron melts in less than twenty minutes. Each mirror adds so much to the heat and light, and Mr. Calver has found by actual experiment that a comparatively small collection of mirrors each one foot square will melt all known metals in a very few moments. He has produced over 4,000 degrees of heat with his mirrors. By calculation it is shown that 1,000 mirrors, each a foot square will melt iron and steel with the rapidity almost of thought.—*Washington Post.*

The purity and elegant perfume of Parker's Hair Balsam explain the popularity of this reliable restorative.

We Can Stand It.

A great deal of fun is poked at our inefficient, old-fashioned navy. Our vessels are few and inferior, and our smooth-bore guns dangerous only to those are required to handle them. It is claimed by experts in the matter that the American navy, in point of efficiency, ranks tenth among the nations of the world.

Well, really, that isn't much to brag of, for a nation of 50,000,000 of people, with a country bounded by 6,000 miles of ocean. But there are some other things in which we can excel them all, and challenge competition. Our surplus wheat crop the present year is estimated will reach 250,000,000 bushels—enough to feed half of Europe.

With this grand showing we can afford to let other countries boast of their facilities for human slaughter. Our prowess is in the direction of peace. While other nations are wading in human gore, be it ours to furnish them in food and clothing. And then, upon a pinch, we could place ourselves on a fair war footing, in a short time, should the necessity ever arise.—*San Jose Mercury.*

Scouts of Civilization

Charles Dickens once said that the typical American would hesitate about entering heaven unless assured that he could go farther west. "Going west" is still the potent phrase to stir the blood of the enterprising and adventurous, and the farther west you go the greater seems to be its power. The men who lead the advance of the army of civilization on the frontier skirmish line, do not come from the rear. They are always the scouts and pickets. The people of the six-week-old town do not come from the east. As a rule they are from the one-year-old and two-year-old towns a little farther back. Most of the men I meet in the Yellowstone country are from eastern Dakota or the Black Hill region, or from western Minnesota. When asked why they left home so recently made in a new country, their reply was invariably that they wanted to get farther west.—*E. V. Smalley in September Century.*

Says Uncle Solon Chase, the Greenback apostle of Maine, in Them Steers: "I raise my head bravely toward the threatening rock, the raging flood or the fiery tempest, and I say I am eternal and defy your might! Break all upon me, and thou earth, and thou heaven, mingle in wild tumult; and all ye elements foam and fret yourselves, and crash in your conflict the last atom of the body which I call mine. My will, secure in its own purpose, shall soar unwavering and bold over the universe, for I have entered on my vocation, and it is eternal, and I am like it!" And then Uncle Solon took his feet off the table and remarked: "I swan, I believe that are thing'll be with fifty votes! Aunt Ann, gimme a doughnut."

As an initiator of "ways that are dark and tricks that are vain" the Indians along the Missouri take the leavened dough. The latest exploit of these savages is to paint the ends of green cotton-wood sticks a light brick color and palm it off on the steamboat men for red cedar. The trick is said to be so well played as to be undistinguishable at the distance from the bank at which the captains usually make their purchase. Verily the savage is fast becoming civilized.

Sleepless Nights, made miserable by that terrible cough. Shiloh's Cure is the remedy for you. Sold by W. E. Dement.

Wise Sayings of Wise Men.

I believe Magruder's megatherium saved my life.—Henry Clay. It gives me pleasure to recommend the bearer for any place in the custom house at your disposal.—George Washington. Three bottles of Halleck's hygienic hallucination made me a well man and restored the use of my limbs, which had been cut off in a railroad accident.—John Bunyan. I did not get a third term.—U. S. Grant. They will esteem it at once a pleasure and a pride.—Jay Hubbell. I have analyzed the specimen of a new medicinal preparation called Bourbon whisky, submitted to me, and I find it palatable and free from any intoxicating ingredient.—Isaac Newton.

When you buy Magruder's Pills, insist on having DR. C. McLANE'S CELEBRATED LIVER PILLS, made by Fleming Bros., Pittsburgh, Pa. If you can not get the genuine DR. C. McLANE'S LIVER PILLS, send 25 cents by mail, and we will send them to you. FLEMING BROS., Pittsburgh, Pa.

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DEALER IN
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CANNED GOODS OF ALL KINDS.
Blocks, Hemp and Manila Ropes, Salmon Net Twines, Drilling, Jib Hanks, Clew Irons, Thimbles, Mast Hoops, And all other things needed to fit out vessels of all kinds.
NEXT DOOR TO PYTHIAN HALL.

HOSTETTER'S
CELEBRATED
STOMACH BITTERS
That terrible scourge fever and ague, and its companion, bilious remittent, besides affections of the stomach, liver and bowels, produced by malarious air and water, are eradicated and prevented by the use of Hostetter's Stomach Bitters, a purely vegetable and mineral preparation, and more extensively used as a remedy for the above class of disorders, as well as for many others, than any medicine of the age.
For sale by all Druggists and Dealers generally.

Peruvian Bitters.
The Count Clinchou was the Spanish Viceroy in Peru in 1835. The Countess, his wife, was prostrated by an intermittent fever, from which she was freed by the use of the native remedy, the Peruvian bark, or, as it was called in the language of the country, "Quinina." Grateful for her recovery, on her return to Europe in 1837, she introduced the remedy in Spain, where it was known under various names, until Linnaeus called it Clinchou, in honor of the lady who had brought them that which was more precious than the gold of the Incas. To this day, after a lapse of two hundred and fifty years, science has given us nothing to take its place. It effectually cures all malarious fevers, and restores the natural tone of the stomach. It attacks excessive love of liquor as it does a fever, and destroys both alike. The powerful tonic virtue of the Clinchou is preserved in the Peruvian Bitters, which are as effective against malarial fever to-day as they were in the days of the old Spanish Viceroy. We guarantee the ingredients of these bitters to be absolutely pure, and of the best known quality. A trial will satisfy you that this is the best bitter in the world. "The proof of the pudding is in the eating," and we willingly abide this test. For sale by all druggists, grocers and liquor dealers. Order of H. Loeb & Co., agents for Astoria.

England's occupation of Egypt must be permanent. To overthrow Arabi and then retire would open the way for other leaders of the people. If he should be hanged as a rebel, which is not improbable, it is believed there would still be the opposing force which has caused the trouble.—*London Times.*

Croup, Whooping Cough and Bronchitis immediately relieved by Shiloh's Cure. Sold by W. E. Dement.

SYMPTOMS OF A DISEASED LIVER.

Pain in the right side, under edge of ribs, increasing on pressure; sometimes the pain is felt under the shoulder and is sometimes taken for Rheumatism in the arm. The stomach is affected with loss of appetite and sickness; the bowels in general are constive, sometimes alternating with laxity; the head is troubled with pain, accompanied with a dull, heavy sensation in the back part. There is generally a considerable loss of memory, accompanied with a painful sensation of having left unperformed something which ought to have been done. A slight dry cough is sometimes attendant. The patient complains of weariness and debility; he is easily startled; his feet are cold or burning, and he complains of a prickly sensation of the skin; his spirits are low, and although he is satisfied that exercise would be beneficial to him, yet he can scarcely summon up fortitude enough to try it.

If you have any of the above symptoms, you can certainly be cured by the use of the genuine DR. C. McLANE'S LIVER PILLS. When you buy Magruder's Pills, insist on having DR. C. McLANE'S CELEBRATED LIVER PILLS, made by Fleming Bros., Pittsburgh, Pa. If you can not get the genuine DR. C. McLANE'S LIVER PILLS, send 25 cents by mail, and we will send them to you.

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Mothers! Mothers!! Mothers!!!
I am so disturbed at night and broken of your rest by a sick child suffering and crying with the excruciating pain of cutting teeth? If so, go at once and get a bottle of Mrs. Winslow's Soothing Syrup, it will relieve the poor little sufferer immediately—depend upon it; there is no mistake about it. There is not a mother on earth who has ever used it, who will not tell you at once that it will regulate the bowels, and give rest to the mother, and relief and health to the child, operating like magic. It is perfectly safe to use in all cases, and pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States. Sold everywhere, 25 cents a bottle.

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With Boats and Machinery.
An abundant supply of FRESH WATER.
Sited at Hungry Harbor, opposite Astoria.
For particulars, apply to Allen & Lewis, Portland; J. Q. A. Bouilly, Astoria, or J. West on the premises.

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WILL BE PAID UPON INFORMATION leading to the conviction of any party
REFILLING
Peruvian Bitter Bottles.
The names of such persons found guilty will also be published in every leading newspaper.
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And no terms of peace until
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Look at the prices:
Suits to order from \$8.00
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The finest line of samples on the coast to
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Cass street, next to Hansen's Jewelry store

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Up Stairs over
ARNDT & FERCHEN'S
FIRST-CLASS WORK A SPECIALTY.
Dissolution Notice.
THE PARTNERSHIP HERETOFORE existing between Wetherbee & Thomas has been this day mutually dissolved. Mr. Wetherbee retiring on account of poor health. Mr. Thomas will finish all unsettled business in Oregon.
W. H. WETHERBEE,
C. T. THOMAS.
Astoria, Oregon, Aug. 31, 1882. dtd

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